

The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the form below.

IPEA/JP



PCT

CHAPTER II

DEMAND

under Article 31 of the Patent Cooperation Treaty:

The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty.

For International Preliminary Examining Authority use only			
Identification of IPEA		Date of receipt of DEMAND	
Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION		Applicant's or agent's file reference 10003610W001	
International application No. PCT/JP2004/017042	International filing date (day/month/year) 10/11/2004	(Earliest) Priority date (day/month/year) 19/11/2003	
Title of invention PHOTOELECTRIC CONVERTING APPARATUS			
Box No. II APPLICANT(S)			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 Japan		Telephone No. 03-3758-2111 Facsimile No. 03-3756-0947 Teleprinter No. Applicant's registration No. with the Office	
State (that is, country) of nationality: JAPAN		State (that is, country) of residence: JAPAN	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) KAMESHIMA, Toshio c/o CANON KABUSHIKI KAISHA 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 Japan			
State (that is, country) of nationality: JAPAN		State (that is, country) of residence: JAPAN	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)			
State (that is, country) of nationality:		State (that is, country) of residence:	
<input type="checkbox"/> Further applicants are indicated on a continuation sheet.			

Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The following person is ☒ agent ☐ common representativeand ☒ has been appointed earlier and represents the applicant(s) also for international preliminary examination.☐ is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.☐ is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.Name and address: (Family name followed by given name; for a legal entity, full official designation.
The address must include postal code and name of country.)

Patent Attorney KATO, Nobuaki

No. 602, Fuji Bldg., 2-3, Marunouchi 3-chome,
Chiyoda-ku, Tokyo 100-0005 Japan

Telephone No.

03-3213-1561

Facsimile No.

03-3214-0929

Teleprinter No.

Agent's registration No. with the Office

☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION

Statement concerning amendments:*

1. The applicant wishes the international preliminary examination to start on the basis of:

☐ the international application as originally filedthe description ☒ as originally filed☐ as amended under Article 34

the claims

☐ as originally filed☐ as amended under Article 19 (together with any accompanying statement)☒ as amended under Article 34

the drawings

☒ as originally filed☐ as amended under Article 342. ☐ The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.3. ☐ The applicant wishes the start of the international preliminary examination to be postponed until the expiration of the applicable time limit under Rule 69.1(d).4. ☐ The applicant expressly wishes the international preliminary examination to start earlier than at the expiration of the applicable time limit under Rule 54bis.1(a).

* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination: English

☒ which is the language in which the international application was filed.☐ which is the language of a translation furnished for the purposes of international search.☐ which is the language of publication of the international application.☐ which is the language of the translation (to be) furnished for the purposes of international preliminary examination.

Box No. V ELECTION OF STATES

The filing of this demand constitutes the election of all Contracting States which are designated and are bound by Chapter II of the PCT.

Box No. VI CHECK LIST

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

- | | | | |
|--|---|---|--------|
| 1. translation of international application | : | | sheets |
| 2. amendments under Article 34 | : | 5 | sheets |
| 3. copy (or, where required, translation) of amendments under Article 19 | : | | sheets |
| 4. copy (or, where required, translation) of statement under Article 19 | : | | sheets |
| 5. letter | : | 2 | sheets |
| 6. other (specify) | : | | sheets |

For International Preliminary Examining Authority use only
received not received

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

The demand is also accompanied by the item(s) marked below:

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> fee calculation sheet | 5. <input type="checkbox"/> statement explaining lack of signature |
| 2. <input type="checkbox"/> original separate power of attorney | 6. <input type="checkbox"/> sequence listing in computer readable form |
| 3. <input type="checkbox"/> original general power of attorney | 7. <input type="checkbox"/> tables in computer readable form related to a sequence listing |
| 4. <input type="checkbox"/> copy of general power of attorney; reference number, if any: | 8. <input checked="" type="checkbox"/> other (specify): Revenue stamps, Receipt of fees paid to deposit account of WIPO |

Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).

KATO, Nobuaki



For International Preliminary Examining Authority use only

1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

3. ☐ The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.

☐ The applicant has been informed accordingly.

4. ☐ The date of receipt of the demand is WITHIN the time limit of 19 months from the priority date as extended by virtue of Rule 80.5.

5. ☐ Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.

6. ☐ The date of receipt of the demand is AFTER the expiration of the time limit under Rule 54bis.1(a) and item 7 or 8, below, does not apply.

7. ☐ The date of receipt of the demand is WITHIN the time limit under Rule 54bis.1(a) as extended by virtue of Rule 80.5.

8. ☐ Although the date of receipt of the demand is after the expiration of the time limit under Rule 54bis.1(a), the delay in arrival is EXCUSED pursuant to Rule 82.

For International Bureau use only

Demand received from IPEA on:

REPLY



To: Examiner of the Patent Office

1. Identification of the International Application

PCT/JP2004/017042

2. Applicant

Name: CANON KABUSHIKI KAISHA

Address: 3-30-2, Shimomaruko, Ohta-ku, Tokyo.
146-8501 Japan

Country of Nationality: JAPAN

Country of Residence: JAPAN

3. Agent

Name: KATO, Nobuaki



Address: No. 602, Fuji Bldg., 2-3, Marunouchi 3-chome,
Chiyoda-ku, Tokyo 100-0005 Japan

4. Date of Notification: 08.03.2005

5. Subject Matter of Reply:

Amended claims are filed separately pursuant to Article 34 of PCT. The amended claims have been supported by a disclosure in Embodiments 3 - 5 and in Figs. 5 - 8. In the amended claims, it has been made clear that a photoelectric converting apparatus according to the present invention comprises a pixel comprising a photoelectric

converting element (an amorphous semiconductor), a readout TFT of source follower type, a reset TFT and a selecting TFT; a signal line connected to the pixel, a reading circuit connected to the signal line; and a constant current source provided at a position spaced from the reading circuit rather than the pixel.

It is to be understood, by the above claim amendments could make clear that, according to the present invention, "a constant current source is provided at a position on a signal line spaced from a readout circuit rather than the pixel (on an insulating substrate)", thereby ", even though a resistance component is contained in the common signal line, preventing a voltage drop, due to the resistance component, in a signal output read out by a readout circuit 3," as a significant special advantage of the present invention. Please refer to a description of an advantage in the Embodiment 3.

While, referring to the documents cited in an International Search Report, none of the cited documents discloses or suggests the above special feature of the present invention "the constant current source is provided at the position on the signal line spaced from the readout circuit rather than the pixel (on the insulating substrate)". Accordingly, none of the cited documents provides the above described special advantage of the present invention ", even though the resistance component is contained in the common signal line, preventing the voltage drop, due to the resistance component, in the signal output read out by the readout circuit 3". In particular, the above described special advantage would be made more significant in case of a two dimensional matrix array of the plurality of pixels since the resistance of the signal lines would be larger in such case.

AMENDMENT

(amendment base upon the provision of Article 11 of said Law)



To : Examiner of the Patent Office

1. Identification of the International Application

PCT/JP2004/017042

2. Applicant

Name : CANON KABUSHIKI KAISHA

Address : 3-30-2, Shimomaruko, Ohta-ku, Tokyo 146-8501 JAPAN

Country of Nationality : JAPAN

Country of Residence : JAPAN

3. Agent

Name : (8517) Patent Attorney

KATO, Nobuaki

Address : No. 602, Fuji Bldg., 2-3, Marunouchi 3-chome,
Chiyoda-ku, Tokyo 100-0005 JAPAN

4. Item to be amended : Claims

5. Subject Matter of Amendment:

Revise claims 1, 4 to 6, 8-13, 15 and 16 and add new claim 17 as
shown in the attached claim sheet, cancel claims 2 and 3, and claims 7 and

14 are unchanged

6. List of Attached Documents :

Replacement sheets of pages 27, 28, 29, 30 and 31

CLAIMS

1. (Amended) A photoelectric converting apparatus, on an insulating supporting substrate, comprising:

- 5 a pixel comprising a photoelectric converting element, a resetting transistor wherein one of a source and a drain is connected to said photoelectric converting element, and the other of the source and the drain is connected to a resetting power source,
- 10 a readout transistor wherein a gate is connected to said photoelectric converting element and wherein one of a source and a drain is connected to a readout power source, and a selecting transistor connected to the other of the source and the drain of said readout
- 15 transistor;
- a signal line connected to said pixel; and
- constant current source connected to said signal line and,
- readout means connected to said signal line,
- 20 wherein said constant current source is provided at a position on said signal line spaced from said readout means.

2. (cancelled)

3. (cancelled)

- 25 4. (Amended) A photoelectric converting apparatus according to claim 1, wherein said readout means includes an amplifier connected to said signal

line and an analog multiplexer connected to said amplifier.

5 5. (Amended) A photoelectric converting apparatus according to claim 4, wherein said analog multiplexer is formed by a thin film transistor constituted of amorphous silicon or polysilicon on the same insulating substrate same as that for said readout transistor.

10 6. (Amended) A photoelectric converting apparatus according to claim 1 or 5, wherein said constant current source includes a constant current source transistor of which a gate is connected to a power supply for the constant current source.

15 7. A photoelectric converting apparatus according to claim 6, wherein said power supply for the constant current source provides the gate of said constant current source transistor with a voltage satisfying a relation $V_{ds} > V_{gs} - V_{th}$, in which V_{ds} is a drain-source voltage, V_{gs} is a gate-source voltage and V_{th} is a threshold voltage.

20 8. (Amended) A photoelectric converting apparatus according to any one of claims 1, 4 to 7, wherein said constant current source includes a constant current source transistor in which a gate and a source are mutually connected.

25 9. (Amended) A photoelectric converting apparatus according to any one of claims 1, 4 to 8,

wherein said constant current source includes a constant current source transistor in which a gate and a source are connected through a resistor.

10. (Amended) A photoelectric converting
5 apparatus according to any one of claims 1, 4 to 7, wherein at least one selected from a group consisting of said resetting transistor, said readout transistor, said selecting transistor and said constant current source is formed utilizing an amorphous silicon layer
10 or a polysilicon layer.

11. (Amended) A photoelectric converting apparatus according to any one of claims 1, 4 to 10, further comprising a phosphor layer which absorbs a radiation and emits a light of a wavelength region
15 detectable by said photoelectric converting element.

12. (Amended) A photoelectric converting apparatus according to any one of claims 1, 4 to 11, wherein said photoelectric converting element is constituted of a PIN photodiode or a MIS sensor.

- 20 13. (Amended) A photoelectric converting apparatus according to any one of claims 1, 4 to 12, wherein said photoelectric converting element is a direct photoelectric converting element which directly converts a radiation into a charge.

- 25 14. A photoelectric converting apparatus according to claim 13, wherein said direct photoelectric converting element is constituted of a

material selected from a group consisting of amorphous selenium, gallium arsenide, gallium phosphide, lead iodide, mercury iodide, CdTe and CdZnTe.

- 5 15. (Amended) A photoelectric converting apparatus on an insulating supporting substrate comprising:

 a two-dimensional array of a plurality of pixels each of which includes:

- 10 a photoelectric converting element;
 a resetting transistor wherein one of a source and a drain is connected to said photoelectric converting element and the other of the source and the drain is connected to a resetting power source;
- 15 a readout transistor wherein a gate is connected to said photoelectric converting element and one of a source and a drain is connected to a readout power source; and
- a selecting transistor connected the other of
- 20 the source and the drain of said readout transistor;
 a plurality of common signal lines connected to said plural pixels; and
- a constant current source connected to said common signal lines,
- 25 wherein readout means is further connected to said common signal line is further provided, and
 said constant current source is provided at a

position on said common signal line spaced from said readout means rather than said plurality of pixels.

16. (Amended) An X-ray image pickup system comprising a photoelectric converting apparatus

5 according to any one of claims 1 or 17, an X-ray generating apparatus and control means;

wherein said control means controls functions of the X-ray generating apparatus and the photoelectric converting apparatus thereby reading an
10 X-ray image transmitted through an object.

17. (New) A photoelectric converting apparatus according to claim 15, wherein

said readout means includes an amplifier connected to said common signal line, and an analog
15 multiplexer connected to said amplifier.

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:
OKABE, Masao

No. 602, Fuji
Bldg., 2-3, Marunouchi
3-chome, Chiyoda-ku, Tokyo
1000005 Japan

PCT

NOTIFICATION OF TRANSMITTAL OF
INTERNATIONAL PRELIMINARY
REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)
(PCT Rule 71.1)



Date of mailing
(day/month/year) 25.04.2006

Applicant's or agent's file reference
10003610WO01

IMPORTANT NOTIFICATION

International application No.
PCT/JP2004/017042

International filing date (day/month/year)
10.11.2004

Priority date (day/month/year)
19.11.2003

Applicant

CANON KABUSHIKI KAISHA

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the *PCT Applicant's Guide*.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed invention is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the IPEA/IP

Japan Patent Office

3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan

Authorized officer

Commissioner of the Patent Office

Telephone No. +81-3-3581-1101 Ext. 3581

5 P 9654

ATTENTIONS

1. Demand for copy of documents

Copy of the documents described in the international preliminary examination report and not described in the international search report.

An applicant can request the copy of these cited documents to the Japan Patent Office, however, National Center for Industrial Property Information and Training (Japan Patent Office building 2nd floor) handles inspection and copying of official gazettes and copying of other document etc.

[Contact and Reference]

National Center for Industrial Property Information and Training

〒100-0013

3-4-3 Kasumigaseki Chiyoda-ku Tokyo

(Japan Patent Office building 2nd floor)

(Official gazettes) Industrial Property Information Reference Department

TEL: 03-3581-1101 Ext. 3811,3812

(Others) Industrial Property Reference Materials Department

TEL: 03-3581-1101 Ext. 3831,3832,3833

Japan Patent Information Organization also services sales of the copy of these cited documents. Those who request copying of the cited documents should pay attention to the following points.

[Application Method]

(1) As for Patent (Utility Model, Design) Gazette, the following points shall be defined clearly.

- ☐ Types of patent, utility model, and design
- ☐ Fiscal year and number of publication of application or publication of unexamined application (or patent number, registration number)
- ☐ Necessary number of paper sheets

(2) As for documents except for the gazette, the following points are required attention.

- ☐ Be sure to attach the copy of the international preliminary examination report (which shall be returned).

[Application and Reference]

〒135-0016

4-1-7 Toyo Koto-ku, Tokyo

Sato Daiya Building

Foundation of Japan Patent Information Organization

Information Processing Department

Copy Service section

TEL: 03-3508-2313

Note) The period for requesting the copy of the documents to Japanese Patent Office is set to 7 years from the international application date.

2. It is necessary to submit the copy of international application (except for cases of already transmitted from the International Bureau) and its prescribed translation, and to pay the national fee. Respective countries set different periods so as to be required attention. (See Treaty Article 22, Article 39, and Article 64 (2) (i))

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY
REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)
(PCT Article 36 and Rule 70)



Applicant's or agent's file reference 10003610W001	FOR FURTHER ACTION		See Form PCT/PEA/416
International application No. PCT/JP2004/017042	International filing date (day/month/year) 10.11.2004	Priority date (day/month/year) 19.11.2003	
International Patent Classification (IPC) or national classification and IPC Int.Cl. H04N5/335 (2006.01), A61B6/00 (2006.01), G01T1/00 (2006.01), G01T1/20 (2006.01), H01L27/14 (2006.01), H01L27/146 (2006.01), H01L31/10 (2006.01), H04N5/32 (2006.01)			
Applicant CANON KABUSHIKI KAISHA			

<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> a total of <u>5</u> sheets, as follows:</p> <p><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>	
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input checked="" type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>	

Date of submission of the demand 20.09.2005	Date of completion of this report 13.04.2006	
Name and mailing address of the IPEA/JP Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Authorized officer Kenji Tokuda Telephone No. +81-3-3581-1101 Ext. 3581	5P 9654

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/017042

Box No. I Basis of the report

1. With regard to the language, this report is based on:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rules 12.3(a) and 23.1(b))
- ☐ publication of the international application (Rule 12.4(a))
- ☐ international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):

- ☐
- the international application as originally filed/furnished

- ☒
- the description:

pages 1-26 _____ as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

- ☒
- the claims:

Nos. 7, 14 _____ as originally filed/furnished

Nos.* _____ as amended (together with any statement) under Article 19

Nos.* 1, 4-6, 8-13, 15-17 received by this Authority on 20.09.2005

Nos.* _____ received by this Authority on _____

- ☒
- the drawings:

sheets/figs 1-18 _____ as originally filed/furnished

sheets/figs* _____ received by this Authority on _____

sheets/figs* _____ received by this Authority on _____

- ☐
- a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

- 3.
- ☒
- The amendments have resulted in the cancellation of:

☐ the description, pages _____☒ the claims, Nos. 2-3 _____☐ the drawings, sheets/figs _____☐ the sequence listing (specify): _____☐ any table(s) related to sequence listing (specify): _____

- 4.
- ☐
- This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

☐ the description, pages _____☐ the claims, Nos. _____☐ the drawings, sheets/figs _____☐ the sequence listing (specify): _____☐ any table(s) related to sequence listing (specify): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/017042

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application

☒ claims Nos. 1-17

because:

☐ the said international application, or the said claims Nos. _____
relate to the following subject matter which does not require an international preliminary examination (*specify*):

☐ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. _____
are so unclear that no meaningful opinion could be formed (*specify*):

☐ the claims, or said claims Nos. _____ are so inadequately supported
by the description that no meaningful opinion could be formed (*specify*):

☒ no international search report has been established for said claims Nos. 1-17

☐ a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:

☐ furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Preliminary Examining Authority in a form and manner acceptable to it.

☐ furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Preliminary Examining Authority in a form and manner acceptable to it.

☐ pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b) and 13ter.2.

☐ a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Preliminary Examining Authority in a form and manner acceptable to it.

☐ the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.

☐ See Supplemental Box for further details.